

List of All Chemicals

P Datura innoxia (Solanaceae)

Common name(s)

Thorn Apple

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Plant Part	Low PPM	High PPM	StdDev	*Reference
(-)-3ALPHA,6BETA-DITIGLOYLOXYTROPOANE	Plant	--	--		*
3ALPHA,6BETA-DITIGLOYLOXYTROPOANE	Plant	--	--		*
7-HYDROXY-3,6-DITIGLOYLOXYTROPOANE	Plant	--	--		*
ALKALOIDS	Shoot	--	6010.0	0.06	*
ALKALOIDS	Seed	2300.0	4400.0	-0.59	*
ALKALOIDS	Root	--	3900.0	-0.73	*
ALKALOIDS	Leaf	2500.0	5500.0	-0.24	*
ALKALOIDS	Fruit	1200.0	7700.0	0.4	*
ALKALOIDS	Flower	--	5170.0	0.01	*
ALKALOIDS	Stem	--	3000.0	-0.32	*
APOATROPINE	Plant	--	--		*
Activities (2)					
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Respiradepressant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
ATROPINE	Plant	--	--		*
Activities (51)					
Allergenic					
Analgesic					
Anesthetic	Martindale's 29th				
Anhydrotic					
Antianoxic	Martindale's 29th				
Antiarrhythmic 400-1,000 ug					
Antiasthmatic	Martindale's 28th				
Antibradycardic 300-600 ug/ims/man/day	Martindale's 28th				
Anticholinergic 0.55 mg/kg orl mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.				
Anticholinergic 10 mg/kg orl rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.				
Antidote (Anticholinesterase) 2 mg/man/ims	Martindale's 29th				
Antidote (Black Widow)	Martindale's 29th				
Antidote (Lobelia) 2 mg scu	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).				
Antidote (Muscarine)					
Antidote (Mushroom)	Martindale's 30th				
Antidote (Organophosphorus) 2-10 mg/ims/man	Martindale's 29th				
Antidote (Poison Gas)					
Antidote (Tetrodotoxin)					
Antiemetic	Martindale's 29th				
Antiemphysemic	Martindale's 29th				
Antienuretic	Martindale's 28th				

Antiiritic	Martindale's 30th
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 29th
Antiperistaltic	
Antiperspirant	Martindale's 29th
Antipertussic	Martindale's 29th
Antipolio	
Antisialogogue	Martindale's 28th
Antispasmodic	Merck 11th Edition
Antiulcer 500 ug/3 x/day/man	Martindale's 28th
Antiuveitic	Martindale's 30th
Antivertigo	
Antiviral	
Bronchodilator	
CNS-Depressant	Martindale's 28th
CNS-Stimulant	
Choleretic	
Hyperpyrexic	Merck 11th Edition
Insecticide	Jacobson, M., <i>Glossary of Plant-Derived Insect Deterrents</i> , CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Mydriatic	Merck 11th Edition
Myorelaxant	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine</i> . John Bastyr College Publications, Seattle, Washington (Looseleaf).
Neurotoxic	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. <i>This and That: The Essential Pharmacology of Herbs and Spices</i> . <i>Tips</i> 13:15-20 Huxtable, R.J. 1992b. <i>The Myth of Benificent Nature. The Risk of Herbal Preparations</i> . <i>Anns. Intern. Med.</i> 117(2):165-6; Huxtable, R.
Paralytic	
Pesticide	
Psychotomimetic	R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. <i>This and That: The Essential Pharmacology of Herbs and Spices</i> . <i>Tips</i> 13:15-20 Huxtable, R.J. 1992b. <i>The Myth of Benificent Nature. The Risk of Herbal Preparations</i> . <i>Anns. Intern. Med.</i> 117(2):165-6; Huxtable, R.
Tachycardic 2 mg/orl/man	Martindale's 28th
Transdermal	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Tumorigenic	Jacobson, M., <i>Glossary of Plant-Derived Insect Deterrents</i> , CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
Vasodilator	Merck 11th Edition

BETULINIC-ACID	Tissue Culture	--	--	Jim Duke's personal files.
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Activities (22)

Anthelmintic	
AntiHIV EC50=2.0 ug/ml	Kashiwada, Y., et. al. 1998. <i>Anti-AIDS Agents</i> . 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. <i>J. Nat. Prod.</i> , 61(9): 1090-1095.
AntiHIV IC50=6.5 ug/ml	
AntiHIV 14.8 uM	
Antibacterial	
Anticancer	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Anticarcinomic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Antiedemic	
Antiinflammatory	Recio, M., et al. 1994. Investigations on the Steroidal Anti-Inflammatory Activity of Triterpenoids from <i>Diospyros leucomelas</i> *. <i>Planta Medica</i> , 61: 9.
Antileukemic	
Antimalarial IC50=19-26 ug/ml	
Antimelanomic	New York Times, 3/28/95.
Antinociceptive	
Antiplasmoidal IC50=19-26 ug/ml	
Antitumor	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Antiviral 14.8 uM	
Apoptotic	
Cytotoxic 50-100 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
Cytotoxic 16.4 uM	
Phospholipase-A2-Inhibitor	
Prostaglandin-Synthesis-Inhibitor 200 ug/ml	Dunstan, C. A., Liu, B., Welch, C. J., Perera, P., Bohlin, L. 1998. Alphitol, a Phenolic Substance from <i>Alphitonia zizyphoides</i> which Inhibits Prostaglandin Biosynthesis in vitro. <i>Phytochemistry</i> , 48(3): 495-497.
Prostaglandin-Synthesis-Inhibitor IC50=101 uM	Huang, C., Tunon, H., Bohlin, L. 1995. Anti-Inflammatory Compounds Isolated from <i>Menyanthes trifoliata</i> L. <i>Yao Hsueh Hsueh Pao</i> , 30(8): 621-626.

CUSCOHYGRINE	Root	195.0	1170.0	*
DATURADIOL	Plant	--	--	*
DATURANOLONE	Plant	--	--	*

DITIGLOYLTEOIDINE	Root	80.0	1015.0	*
DITIGLOYLTEOIDINE	Leaf	75.0	1650.0	*
FAT	Seed	120000.0	220000.0	-0.24
HYOSCYAMINE	Shoot	--	1840.0	*

Activities (27)

Analgesic	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Anticholinergic 150-300 ug 4 x/day/man	Martindale's 29th
Antidote (Anticholinesterase)	Martindale's 29th
Antiemetic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antiherpetic	
Antimeasles	
Antimuscarinic	Martindale's 29th
Antineuragic	
Antiparkinsonian	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antipolio	
Antisialagogue	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antispasmodic	
Antiulcer	Martindale's 29th
Antivertigo	
Antivinous	
Antiviral	
Bronchodilator	
Bronchorelaxant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
CNS-Depressant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
CNS-Stimulant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Cardiotonic	
Mydriatic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Pesticide	
Photophobigenic	
Psychoactive	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Sedative	
Toxic	

HYOSCYAMINE	Seed	480.0	925.0	1.0	*
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Activities (27)

Analgesic	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. The Medicinal and Poisonous Plants of Southern and Eastern Africa. E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
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Antiemetic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antiherpetic	
Antimeasles	
Antimuscarinic	Martindale's 29th
Antineuragic	
Antiparkinsonian	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antipolio	
Antisialagogue	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antispasmodic	
Antiulcer	Martindale's 29th
Antivertigo	
Antivinous	
Antiviral	
Bronchodilator	
Bronchorelaxant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
CNS-Depressant	Huang, K. C. 1993. The Pharmacology of Chinese Herbs. CRC Press, Boca Raton, FL 388 pp.
CNS-Stimulant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Mydriatic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Pesticide	
Photophobigenic	
Psychoactive	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. <i>The Medicinal and Poisonous Plants of Southern and Eastern Africa</i> . E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Sedative	
Toxic	

HYOSCYAMINE	Root	860.0	1870.0	-0.59	*
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Activities (27)

Analgesic	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. <i>The Medicinal and Poisonous Plants of Southern and Eastern Africa</i> . E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
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Antiemetic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Antiherpetic	
Antimeasles	
Antimuscarinic	Martindale's 29th
Antineuragic	
Antiparkinsonian	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Antipolio	
Antisialagogue	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Antispasmodic	
Antiulcer	Martindale's 29th
Antivertigo	
Antivinous	
Antiviral	
Bronchodilator	
Bronchorelaxant	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs</i> . CRC Press, Boca Raton, FL 388 pp.
CNS-Depressant	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs</i> . CRC Press, Boca Raton, FL 388 pp.
CNS-Stimulant	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Cardiotonic	
Mydriatic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Pesticide	
Photophobigenic	
Psychoactive	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. <i>The Medicinal and Poisonous Plants of Southern and Eastern Africa</i> . E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Sedative	
Toxic	

HYOSCYAMINE	Leaf	1410.0	3100.0	1.0	*
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Activities (27)

Analgesic	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. <i>The Medicinal and Poisonous Plants of Southern and Eastern Africa</i> . E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
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Antimeasles	
Antimuscarinic	Martindale's 29th
Antineuragic	
Antiparkinsonian	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Antipolio	
Antisialagogue	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Antispasmodic	
Antiulcer	Martindale's 29th
Antivertigo	
Antivinous	
Antiviral	
Bronchodilator	
Bronchorelaxant	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs</i> . CRC Press, Boca Raton, FL 388 pp.

CNS-Stimulant	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
Cardiotonic	
Mydriatic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
Pesticide	
Photophobigenic	
Psychoactive	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. <i>The Medicinal and Poisonous Plants of Southern and Eastern Africa.</i> E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Sedative	
Toxic	

HYOSCYAMINE	Flower	--	1880.0	*
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Activities (27)

Analgesic	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. <i>The Medicinal and Poisonous Plants of Southern and Eastern Africa.</i> E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Anticholinergic 150-300 ug 4 x/day/man	Martindale's 29th
Antidote (Anticholinesterase)	Martindale's 29th
Antiemetic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
Antiherpetic	
Antimeasles	
Antimuscarinic	Martindale's 29th
Antineuronalgic	
Antiparkinsonian	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
Antipolio	
Antisialagogue	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
Antispasmodic	
Antiulcer	Martindale's 29th
Antivertigo	
Antivinous	
Antiviral	
Bronchodilator	
Bronchorelaxant	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs.</i> CRC Press, Boca Raton, FL 388 pp.
CNS-Depressant	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs.</i> CRC Press, Boca Raton, FL 388 pp.
CNS-Stimulant	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
Cardiotonic	
Mydriatic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
Pesticide	
Photophobigenic	
Psychoactive	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. <i>The Medicinal and Poisonous Plants of Southern and Eastern Africa.</i> E. & S. Livingstone, Ltd. Edinburg & London. 1457 pp.
Sedative	
Toxic	

METELOIDINE	Root	40.0	390.0	*
METELOIDINE	Leaf	690.0	1515.0	*
NORHYOSCYAMINE	Plant	--	--	*
PROTEIN	Seed	--	200000.0	-0.3
PSEUDOTROPINE	Plant	--	--	*
SCOPOLAMINE	Flower	--	670.0	*

Activities (41)

Allergenic	
Amnesigenic 600 ug/man/ivn	Martindale's 29th
Analgesic	
Anesthetic	Martindale's 28th
AntiMeniere's	Martindale's 29th
Antianoxic	Martindale's 29th
Antiasthmatic	
Anticholinergic 1.5 mg/kg orl rat	
Anticonvulsant 5 mg/kg ipr mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook.</i> (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.

Antidote (Anticholinesterase)	Martindale's 29th
Antidote (Tetrodotoxin)	
Antiemetic	Martindale's 29th
Antiherpetic	
Antihiccup 300 ug/man/	Martindale's 28th
Antiinflammatory	
Antimanic	Martindale's 29th
Antimeasles	
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 28th
Antipolio	
Antisialogogue	Martindale's 29th
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.
Antispasmodic	
Antispermatorrheic	
Antiulcer	Martindale's 29th
Antivertigo 500 ug/3-days/transdermal	Martindale's 29th
Antiviral	
Bronchodilator	
CNS-Depressant	Iwu, M.M. 1993. <i>Handbook of African Medicinal Plants</i> . CRC Press, Boca Raton, FL 435 pp.
Cardiodepressant	
Cyclopegic	Martindale's 29th
Dermatitogenic	
Hyperkinetic 1 mg/kg ipr mus	
Hypnotic	Martindale's 28th
Mydriatic 1 mg/kg scu	
Photophobigenic	
Preanesthetic	Merck 11th Edition
Psychoactive	
Sedative 0.5-1 mg/orl/man	ANON. 1948-1976. <i>The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi</i> . 11 volumes.
Sedative 13 mg/kg scu rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook</i> . (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Tachycardic	Martindale's 29th

SCOPOLAMINE	Shoot	--	1660.0	*
Activities (41)				
Allergenic				
Amnesigenic 600 ug/man/ivn	Martindale's 29th			
Analgesic				
Anesthetic	Martindale's 28th			
AntiMeniere's	Martindale's 29th			
Antianoxic	Martindale's 29th			
Antiasthmatic				
Anticholinergic 1.5 mg/kg orl rat				
Anticonvulsant 5 mg/kg ipr mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook</i> . (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.			
Antideliriant	Martindale's 28th			
Antidote (Anticholinesterase)	Martindale's 29th			
Antidote (Tetrodotoxin)				
Antiemetic	Martindale's 29th			
Antiherpetic				
Antihiccup 300 ug/man/	Martindale's 28th			
Antiinflammatory				
Antimanic	Martindale's 29th			
Antimeasles				
Antimuscarinic	Martindale's 29th			
Antiparkinsonian	Martindale's 28th			
Antipolio				
Antisialogogue	Martindale's 29th			
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants</i> . Taylor & Frost, London. 791 pp.			
Antispasmodic				
Antispermatorrheic				
Antiulcer	Martindale's 29th			
Antivertigo 500 ug/3-days/transdermal	Martindale's 29th			
Antiviral				
Bronchodilator				

Cardiodepressant	
Cyclopegic	Martindale's 29th
Dermatitogenic	
Hyperkinetic 1 mg/kg ipr mus	
Hypnotic	Martindale's 28th
Mydriatic 1 mg/kg scu	
Photophobigenic	
Preanesthetic	Merck 11th Edition
Psychoactive	
Sedative 0.5-1 mg/orl/man	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sedative 13 mg/kg scu rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Tachycardic	Martindale's 29th

SCOPOLAMINE	Seed	200.0	205.0	-0.97	*
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Activities (41)

Allergenic	
Amnesigenic 600 ug/man/ivn	Martindale's 29th
Analgesic	
Anesthetic	Martindale's 28th
AntiMeniere's	Martindale's 29th
Antianoxic	Martindale's 29th
Antiasthmatic	
Anticholinergic 1.5 mg/kg orl rat	
Anticonvulsant 5 mg/kg ipr mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Antideliriant	Martindale's 28th
Antidote (Anticholinesterase)	Martindale's 29th
Antidote (Tetrodotoxin)	
Antiemetic	Martindale's 29th
Antiherpetic	
Antihiccup 300 ug/man/	Martindale's 28th
Antiinflammatory	
Antimanic	Martindale's 29th
Antimeasles	
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 28th
Antipolio	
Antisialagogue	Martindale's 29th
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antispermatorheic	
Antiulcer	Martindale's 29th
Antivertigo 500 ug/3-days/transdermal	Martindale's 29th
Antiviral	
Bronchodilator	
CNS-Depressant	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Cardiodepressant	
Cyclopegic	Martindale's 29th
Dermatitogenic	
Hyperkinetic 1 mg/kg ipr mus	
Hypnotic	Martindale's 28th
Mydriatic 1 mg/kg scu	
Photophobigenic	
Preanesthetic	Merck 11th Edition
Psychoactive	
Sedative 0.5-1 mg/orl/man	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sedative 13 mg/kg scu rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Tachycardic	Martindale's 29th

SCOPOLAMINE	Root	935.0	2340.0	1.76	*
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Activities (41)

Allergenic	
Amnesigenic 600 ug/man/ivn	Martindale's 29th

Anesthetic	Martindale's 28th
AntiMeniere's	Martindale's 29th
Antianoxic	Martindale's 29th
Antiasthmatic	
Anticholinergic 1.5 mg/kg orl rat	
Anticonvulsant 5 mg/kg ipr mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Antideliriant	Martindale's 28th
Antidote (Anticholinesterase)	Martindale's 29th
Antidote (Tetrodotoxin)	
Antiemetic	Martindale's 29th
Antiherpetic	
Antihiccup 300 ug/man/	Martindale's 28th
Antiinflammatory	
Antimanic	Martindale's 29th
Antimeasles	
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 28th
Antipolio	
Antisialogogue	Martindale's 29th
Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Antispermatorrhic	
Antilcer	Martindale's 29th
Antivertigo 500 ug/3-days/transdermal	Martindale's 29th
Antiviral	
Bronchodilator	
CNS-Depressant	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
Cardiodepressant	
Cyclopegic	Martindale's 29th
Dermatitogenic	
Hyperkinetic 1 mg/kg ipr mus	
Hypnotic	Martindale's 28th
Mydriatic 1 mg/kg scu	
Photophobigenic	
Preanesthetic	Merck 11th Edition
Psychoactive	
Sedative 0.5-1 mg/orl/man	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sedative 13 mg/kg scu rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Tachycardic	Martindale's 29th

SCOPOLAMINE	Leaf	675.0	3850.0	1.56	*
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Activities (41)

Allergenic	
Amnesigenic 600 ug/man/ivn	Martindale's 29th
Analgesic	
Anesthetic	Martindale's 28th
AntiMeniere's	Martindale's 29th
Antianoxic	Martindale's 29th
Antiasthmatic	
Anticholinergic 1.5 mg/kg orl rat	
Anticonvulsant 5 mg/kg ipr mus	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Antideliriant	Martindale's 28th
Antidote (Anticholinesterase)	Martindale's 29th
Antidote (Tetrodotoxin)	
Antiemetic	Martindale's 29th
Antiherpetic	
Antihiccup 300 ug/man/	Martindale's 28th
Antiinflammatory	
Antimanic	Martindale's 29th
Antimeasles	
Antimuscarinic	Martindale's 29th
Antiparkinsonian	Martindale's 28th
Antipolio	

Antispasmodic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
Antispermatorrhic	
Antiulcer	Martindale's 29th
Antivertigo 500 ug/3-days/transdermal	Martindale's 29th
Antiviral	
Bronchodilator	
CNS-Depressant	Iwu, M.M. 1993. <i>Handbook of African Medicinal Plants.</i> CRC Press, Boca Raton, FL 435 pp.
Cardiodepressant	
Cyclopegic	Martindale's 29th
Dermatitigenic	
Hyperkinetic 1 mg/kg ipr mus	
Hypnotic	Martindale's 28th
Mydriatic 1 mg/kg scu	
Photophobigenic	
Preanesthetic	Merck 11th Edition
Psychoactive	
Sedative 0.5-1 mg/orl/man	ANON. 1948-1976. <i>The Wealth of India raw materials.</i> Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Sedative 13 mg/kg scu rat	Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. <i>Drug Dosage in Laboratory Animals: A Handbook.</i> (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.
Tachycardic	Martindale's 29th

SCOPOLETIN	Plant	--	--	*
Activities (44)				
Aldose-Reductase-Inhibitor IC50=6.2 ug/ml cow	Okada,Y,et al.1995.Search for Naturally Occurring Substances to Prevent the Complications of Diabetes.II.Inhibitory Effect of Coumarin and Flavonoid Derivatives on Bovine Lens Aldose Reductase and Rabbit Platelet Aggregation.Chem Pharm Bull43(8):1385-1387			
Allelochemical IC89=2 mM	Lydon, J. & Duke, S., The potential of pesticides from plants, pp. 1-41 in Craker, L. & Simon, J., eds, <i>Herbs, Spices & Medicinal Plants: Recent Advances in Botany, Horticulture, & Pharmacology</i> , v. 4, Oryx Press, Phoenix, 1989, 267pp.			
Analgesic				
Anesthetic	Neuwinger, H. D. 1996. <i>African Ethnobotany - Poisons and Drugs.</i> Chapman & Hall, New York. 941 pp.			
Antiadrenergic	Neuwinger, H. D. 1996. <i>African Ethnobotany - Poisons and Drugs.</i> Chapman & Hall, New York. 941 pp.			
Antiaflatoxin IC50=65 uM				
Antiaflatoxin 11.4 ppm				
Antiarrhythmic				
Antiasthmatic				
Antibacterial	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.			
Antibronchoconstrictor				
Anticholinergic				
Antiedemic				
Antifeedant	Jacobson, M., <i>Glossary of Plant-Derived Insect Deterrents</i> , CRC Press, Inc., Boca Raton, FL, 213 p, 1990.			
Antihepatotoxic	Bisset, N.G., ed. 1994. <i>Herbal Drugs and Phytopharmaceuticals.</i> CRC Press. Boca Raton, FL. 566 pp.			
Antiinflammatory ED 1-10 ug/ear				
Antileukotrieneogenic				
Antimutagenic	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy.</i> Churchill Livingston, Edinburgh.			
Antioxidant				
Antiproliferant				
Antiprostaglandin				
Antiseptic				
Antispasmodic				
Antitumor 2.9 ug/ml				
Apoptotic				
Bronchorelaxant	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs.</i> CRC Press, Boca Raton, FL 388 pp.			
CNS-Depressant	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs.</i> CRC Press, Boca Raton, FL 388 pp.			
CNS-Stimulant	Watt, J.M. and Breyer-Brandwijk, M.G. 1962. <i>The Medicinal and Poisonous Plants of Southern and Eastern Africa.</i> E. & S. Livingstone, Ltd. Edinburgh & London. 1457 pp.			
Cancer-Preventive	Stitt, P. A. <i>Why George Should Eat Broccoli.</i> Dougherty Co, Milwaukee, WI, 1990, 399 pp.			
Cholagogue	Wichtl, M. 1984. <i>Teedrogen. Ein Handbuch fur Apotheker und Arzte.</i> Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.			
Choleretic	Huang, K. C. 1993. <i>The Pharmacology of Chinese Herbs.</i> CRC Press, Boca Raton, FL 388 pp.			
Cytotoxic				
Fungicide 2 mM				
Hepatoprotective	Wichtl, M. 1984. <i>Teedrogen. Ein Handbuch fur Apotheker und Arzte.</i> Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.			
Herbicide	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.			
Hypoglycemic	Economic & Medicinal Plant Research, 6: 165			
Hypotensive				
MAO-Inhibitor				

Myorelaxant	
Pesticide	
Phytoalexin	
Phytohormonal	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
Uterosedative	Williamson, E. M. and Evans, F. J. <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> , Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

TIGLOIDINE	Plant	--	--	*
Activities (7)				
Anticholinergic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.			
Antimuscarinic	Martindale's 29th			
Antiparkinsonian 333-667 mg/3x/man/day/orl	Martindale's 29th			
Antispasmodic	Martindale's 29th			
CNS-Depressant	Merck 11th Edition			
Myorelaxant	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.			
Sedative				

TROPINE	Plant	--	--	*
Activities (1)				
Toxic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.			